Publications of the
DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS

Letter
Circular
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WASHINGTON, D.C.

August 25, 1926.

PUBLICATIONS RELATING TO BUILDING MATERIALS, CONSTRUCTION, AND BUILDING CODES.

The publications listed can be obtained from the Superintendent of Documents, Washington, D. C., for the given price. A limited number can be obtained free from the Bureau of Standards by cooperating organizations. They can be consulted at 408 public and university libraries, a list of which is given in Circular 24, which gives a complete list of publications by the Bureau of Standards. This circular can be obtained free of charge by addressing the Bureau of Standards. Publications at the present time out of print are marked *.

PORTLAND CEMENT, MORTAR AND CONCRETE.

Technologic Papers

Number	Title	Price
T 2*	The Strength of Reinforced Concrete Beams - Results of Tests of 333 Beams (First Series). Richard L. Humphrey and Louis H. Losse.	
T 3*	Tests of Absorptive and Permeable Properties of Portland Cement Mortars and Concretes, Together with Tests of Dampproofing and Waterproofing Compounds and Materials. Rudolph J. Wig and P. H. Bates.	
T 5*	The Effect of High-Pressure Steam on the Crushing Strength of Portland Cement Mortar and Concrete. R. J. Wig.	
T 12*	Action of the Salts in Alkali Water and Sea Water on Cements. P.H. Bates, A.J. Phillips and R.J. Wig.	
T 43*	Hydration of Portland Cement. A.A. Klein and A.J. Phillips.	
T 95	Durability of Cement Drain Tile and Concrete in Alkali Soils. R.J. Wig, G.M. Williams and A.N. Finn (with S.H. McCrory, E.C. Bebb, and L.R. Ferguson).	35¢
T 47	Value of the High-Pressure Steam Test of Portland Cement. R.J. Wig and Herbert A. Davis.	15¢

Number	Title	Price
T 58*	Strength and Other Properties of Concretes as Affected by Materials and Methods of Preparation. R.J. Wig, G.M. Williams, and E.R. Gates.	
T 102	The Properties of Portland Cement having a High Magnesia Content. P.H. Bates.	15¢
T 173	Tests of Bond Resistance between Concrete and Steel. W.A. Slater, F.E. Richart, and G.G. Scofield.	25¢
T 175	Pouring and Pressure Tests of Concrete. W.A. Slater and A.T. Goldbeck.	5¢
T 220	Test of a Hollow Tile and Concrete Floor Slab Reinforced in Two Directions. W.A. Slater, Arthur Hagener, and G. P. Anthes.	25¢
T 233	Tests of Heavily Reinforced Concrete Slab Beams; Effect of Direction of Reinforcement on Strength and Deformation. Willis A. Slater and Fred B. Seely.	15¢
T 236	Loading Test of a Hollow Tile and Reinforced Concrete Floor of Arlington Building, Washington, D.C. Louis J. Larson and Serge N. Petrenko.	15¢
T 291	Tests of Hollow Tile and Concrete Slabs Reinforced in one Direction. D.E. Parsons and A.H. Stang.	25¢
T 307	Durability of Cement Drain Tile and Concrete in Alkali Soils: Fourth Progress Report (1935). G.A. Williams and I. Furlong.	20¢
T 308	Cement-lime mortars. H.V. Johnson	15¢
T 314	Shear Tests of Reinforced Concrete Beams. W.A. Slater, A.R. Lord, and R.R. Zipprodt.	50¢

Circulars

C 33	United States Government Specification for Portland Cement.	10¢
C 39*	Specifications for and Measurement of Standard Sieves.	

Miscellaneous Publications

R 32	Elimination of Waste - Simplified Practice Recommendation No. 32 - Concrete Building Units (Blocks, Tile and Bricks).	5¢

STRUCTURAL STEEL, CAST IRON AND TIMBER

Technologic Papers

Number	Title	Price
T 101*	Tests of Large Bridge Columns. J.H. Griffith and J.G. Bragg.	
T 218	Results of Some Compression Tests of Structural Steel Angles. A.H. Stang and L.R. Strickenberg.	10¢
T 258	Strength of Steel Tubing under Combined Column and Transverse Loading, Including Tests of Columns and Beams. T.W. Greene.	15¢
T 260	Tests of Some Girder Hooks. H.L. Whittemore and A.H. Stang.	10¢
T 263	Tangent Modulus and the Strength of Steel Columns in Tests. O.H. Basquin.	20¢
T 267	Effect of Hot-Rolling Conditions on the Physical Properties of a Carbon Steel. J.R. Freeman, Jr., and A.T. Derry.	10¢
T 275	Design of Specimens for Short-Time "Fatigue" Tests. L.B. Tuckerman and C.S. Aitchison.	5¢
T 288	Comparative Cold-Rolling Tests of Open-Hearth Steel Strip (Deep Drawing Stock) and Electrolytic Iron Strip. J.R. Freeman, Jr., and R.D. France.	10¢
T 289	Comparative Slow Bend and Impact Notched Bar Tests on Some Metals. S.N. Petrenko.	20¢
T 296	Flow in a low-Carbon Steel at Various Temperatures. H.J. French and W.A. Tucker.	10¢
T 315	Nondestructive Testing of Wire Hoisting Rope by Magnetic Analysis. R.L. Sanford.	10¢

Circulars

C 101	2nd ed. Physical Properties of Materials, Properties of Metals and Woods.	40¢
C 208	United States Government Master Specification for Wire Rope.	15¢

Miscellaneous Publications

Number	Title	Price
R 3	Elimination of Waste - Simplified Practice Recommendation No. 3 - Metal Lath.	5¢
R 16	Elimination of Waste - Simplified Practice Recommendation No. 16 - Lumber.	15¢
R 28	Elimination of Waste - Simplified Practice Recommendation No. 28 - Sheet Steel.	5¢
M 72	Strain Lines developed by Compressive Tests on Structural members of the Delaware River Bridge at the United States Bureau of Standards.	5¢

BRICK, HOLLOW TILE, AND STONE

Technologic Papers

T 85	Manufacture and Properties of Sand-Lime Brick. W.E. Emley.	10¢
T 111	The Compressive Strength of Large Brick Piers. J.G. Bragg.	10¢
T 120	Tests of Hollow Building Tiles. B.B. Hathcock and Edward Skillman.	5¢
T 123*	Physical and Chemical Tests of the Commercial Marbles of the United States. D.W. Kessler.	
T 238	Some Compressive Tests of Hollow Tile Walls. H.L. Whittemore and B.D. Hathcock.	5¢
T 276	Compressive Strength of Sand-Lime Brick Walls. H.L. Whittemore and A.H. Stang.	10¢
T 291	Tests of Hollow Tile and Concrete Slabs Reinforced in one Direction. D.E. Parsons and A.H. Stang.	25¢
T 311	Compressive and Transverse Strength of Hollow Tile Walls. A.H. Stang, D.E. Parsons, and H.D. Foster.	15¢

Circulars

C 109	Sand-Lime Brick - Description and Specification.	5¢

Miscellaneous Publications

Number	Title	Price
R 12	Elimination of Waste - Simplified Practice Recommendation No. 12 - Hollow Building Tile.	5¢
R 13	Elimination of Waste - Simplified Practice Recommendation No. 13 - Structural Slate.	5¢
R 14	Elimination of Waste - Simplified Practice Recommendation No. 14 - Roofing Slate.	5¢
BH 6	Recommended Minimum Requirements for Masonry Wall Construction.	15¢

LIME, GYPSUM, PLASTER AND PLASTERING BASES

Technologic Papers

T 16	The Manufacture of Lime. W.E. Emley.	25¢
T 70	Durability of Stucco and Plaster Construction. R.J. Wig, J.C. Pearson, and W.E. Emley.	15¢

Circulars

C 30	Lime: Its Properties and Uses.	5¢
C 108	Gypsum: Properties, Definitions and Uses.	5¢
C 150	Recommended Specification for Quicklime and Hydrated Lime for Use in the Manufacture of Sand-Lime Brick.	5¢
C 151	Wall Plaster: Its Ingredients, Preparation and Properties.	15
C 152	Recommended Specification for Ceramic Whiting.	5¢
C 153	Recommended Specification for Quicklime and Hydrated Lime for the Manufacture of Silica Brick.	5¢
C 201	United States Government Master Specification for Quicklime for Structural Purposes.	5¢
C 204	United States Government Master Specification for Hydrated Lime for Structural Purposes.	5¢
C 205	United States Government Master Specification for Gypsum Plaster.	5¢
C 206	United States Government Master Specification for Calcined Gypsum.	5¢

Number	Title	Price
C 210	United States Government Master Specification for Gypsum Plaster Board,	5¢
C 211	United States Government Master Specification for Gypsum Wall Board.	5¢

ROOFING MATERIALS

Circulars

C 156	United States Government Specification for Coal-Tar Saturated Rag Felt for Roofing and Waterproofing.	5¢
C 157	United States Government Master Specification for Coal-Tar Pitch for Roofing.	5¢
C 158	United States Government Master Specification for Surfacing Materials for Bituminous Built-up Roofing.	5¢
159	United States Government Master Specification for Asphalt for Mineral-Surfaced Roofing.	5¢
) 161	United States Government Specification for Asphalt-Saturated Rag Felt for Roofing and Waterproofing.	5¢
C 162	United States Government Master Specification for Asphalt Primer for Roofing and Waterproofing.	5¢
C 168	United States Government Master Specification for Asphalt for Unsurfaced Built-Up Roofing.	5¢
C 170	United States Government Master Specification for the Construction of Built-Up Roofing, Type 4AWS.	5¢
C 171	United States Government Master Specification for the Construction of Built-Up Roofing, Type 5AWS.	5¢
C 172	United States Government Master Specification for the Construction of Built-Up Roofing, Type 3ACS.	5¢
C 173	United States Government Master Specification for the Construction of Built-Up Roofing, Type 4ACS.	5¢
C 174	United States Government Master Specification for the Construction of Built-Up Roofing, Type 5ACS.	5¢
C 175	United States Government Master Specification for the Construction of Built-Up Roofing, Type 3TCS.	5¢
C 176	United States Government Master Specification for the Construction of Built-Up Roofing, Type 4TCS.	5¢

Number	Title	Price
C 177	United States Government Master Specification for the Construction of Built-Up Roofing, Type 5TCS.	5¢
C 178	United States Government Master Specification for the Construction of Built-Up Roofing, Type 4TWS.	5¢
C 179	United States Government Master Specification for the Construction of Built-Up Roofing, Type 5TWS.	5¢
C 180	United States Government Master Specification for the Installation of Metal Flashings with Built-Up Bituminous Roofing.	5¢
C 181	United States Government Master Specification for the Installation of Plastic Flashings with Built-Up Bituminous Roofing.	5¢
C 192	United States Government Master Specification for Asphalt Prepared Roofing.	5¢
C 285	United States Government Master Specification for Slate-Surfaced Asphalt Prepared Roofing and Shingles.	5¢

TESTING METHODS AND EQUIPMENT

Technologic Papers

T 247	A New Electrical Telemeter. B. McCollum and O.S. Peters.	15¢
T 251	Equalizer Apparatus for Transverse Tests of Bricks. H.L. Whittemore.	10¢
T 257	Development of a Method for Measurement of Internal Stress in Brass Tubing. R.J. Anderson and E.G. Fahlman.	5¢

FIRE RESISTANCE OF MATERIALS AND CONSTRUCTIONS AND FIRE PREVENTION

Technologic Papers

T 56	Protection of Life and Property Against Lightning. O.S. Peters.	35¢
T 130	A comparison of the Heat-Insulating Properties of some of the Materials Used in Fire-Resistive Construction. W.A. Hull.	10¢
T 184	Fire Tests of Building Columns. S.H. Ingberg, H.K. Griffin, W.C. Rovinson, and R.E. Wilson.	75¢
T 272	Fire Resistance of Concrete Columns. W.A. Hull and S.H. Ingberg.	25¢

Number	Title	Price
C 75	Safety for the Household.	15¢
C 114	Standard Specifications for Cotton Rubber-Lined Fire Hose.	5¢
C 134	United States Government Specification for Fire - Extinguishing Liquid (Carbon Tetrachloride Base).	5¢

Miscellaneous Publications

Specifications for Fire Tests of Building Constructions and Materials.

H 3	National Electrical Safety Code.	40¢
H 4	Discussion of the National Electrical Safety Code.	40¢
H 6	Safety Rules for the Installation and Maintenance of Electrical Supply Stations.	10¢
H 7	Safety Rules for the Installation and Maintenance of Electric Utilization Equipment.	15¢

B.S.L.C. 165 Publications by the Fire Resistance Section.

HOUSING AND BUILDING CODES

Scientific Papers

S 523	Wind Pressure on Structures. H.L. Dryden and G.D. Hill.	20¢
S 526	Transmission and Absorption of Sound by Some Building Materials. E.A. Eckhardt and V.L. Chrisler.	15¢

Circulars

C 300	Architectural Acoustics.	5¢

Building and Housing

BH 1	Recommended Minimum Requirements for Small Dwelling Construction.	15¢
BH 2	Recommended Minimum Requirements for Plumbing in Dwellings and Similar Buildings.	35¢
BH 3	A Zoning Primer.	5¢

Number	Title	Price
BH 4	How to Own Your Home: A Handbook for Prospective Home Owners.	5¢
BH 5	A Standard State Zoning Enabling Act.	5¢
BH 6	Recommended Minimum Requirements for Masonry Wall Construction.	15¢
BH 7	Minimum Live Loads Allowable for Use in Design of Buildings.	10¢
BH 8	Recommended Practice for Arrangement of Building Codes.	10¢

MISCELLANEOUS

C 1	National Bureau of Standards - Its Functions and Activities.	50¢
M 44	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year ended June 30, 1920.	
M 47	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year Ended June 30, 1921.	
M 50	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year ended June 30, 1922.	
M 53	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year ended June 30, 1923.	
M 58	Technical Conference of State Utility Commission Engineers.	15¢
M 60	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year ended June 30, 1924.	10¢
M 64	The Standard Weights and Measures of the United States.	5¢

Number	Title	Price
M 65.	National Directory of Commodity Specifications: Classified and Alphabetical Lists and Brief Descriptions of Existing Commodity Specifications.	$1.25
M 69	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year ended June 30, 1925.	5¢
M 73	Subject Index of United States Government Master Specifications.	5¢